



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/810,163
Filing Date	03/26/2004
First Named Inventor	David S. F. Young
Art Unit	1642
Examiner Name	
Attorney Docket Number	2056.029

Sheet 1 of 4

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
SA		US- 5,750,102	05/12/1998	L. Eisenbach et al	
		US- 4,861,581	08/29/1989	A. Epstein et al	
		US- 5,171,665	12/15/1992	I. Hellstrom et al	
		US- 5,484,596	01/16/1996	M. Hanna, Jr., et al	
		US- 5,693,763	12/02/1997	J. Codington et al	
		US- 5,783,186	07/21/1998	T. Arakawa et al	
		US- 5,849,876	12/15/1998	P. Linsley et al	
		US- 5,869,268	02/09/1999	T. Kudo et al	
		US- 5,869,045	02/09/1999	I. Hellstrom et al	
		US- 5,780,033	07/14/1998	V. Torchilin et al	
		US- 6,180,357	01/30/2001	D. Young et al	
		US- 4,172,124	10/23/1979	H. Koprowski et al	
		US- 6,657,048	12/02/2003	D. Young et al	
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
SA		WO95/20401	08/03/1995	Trustees of Boston University		

Examiner
SignatureDate
Considered

3/24/07

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/810,163	
	Filing Date	03/26/2004
	First Named Inventor	David S. F. Young
	Art Unit	1642
	Examiner Name	
Attorney Docket Number	2056.029	

Sheet

2

of

4

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
SM		D. HARRIS et al, "Serotherapy of cancer", Seminars in Oncology, 16(3):180-198 (June, 1989)	
		H. DVORAK et al, "Structure of solid tumors and their vasculature: implications for therapy with monoclonal antibodies", Cancer Cells, 3(3):77-85 (March, 1991)	
		S. ENGELHOLM et al, "Disaggregation of human solid tumours by combined mechanical and enzymatic methods", Br. J. Cancer, 51:93-98 (1985)	
		A. COSTA et al, "Implications of disaggregation procedures on biological representation of human solid tumours", Cell Tissue Kinet., 20:171-180 (1987)	
		S. DAIRKEE et al, "Partial enzymatic degradation of stroma allows enrichment and expansion of primary breast tumor cells", Cancer Research, 57:1590-1596 (April, 1997)	
		B. FRANZEN et al, "Nonenzymatic extraction of cells from clinical tumor material for analysis of gene expression by two-dimensional polyacrylamide gel electrophoresis", Electrophoresis, 14:1045-1053 (1993)	
		E. HOLZ et al, "Antibody-based immunotherapeutic strategies in colorectal cancer", Recent Results in Cancer Research, 142:381-400 (1996)	
		R. DILLMAN, "Antibodies as cytotoxic therapy", J. Clin. Oncol., 12(7):1497-1515 (July, 1994)	
		R. DILLMAN, "Monoclonal antibodies for treating cancer", Annals of Internal Medicine, 111:592-603 (1989)	
	M. DISIS et al, "HER-2/neu protein: a target for antigen-specific immunotherapy of human cancer", Advances in Cancer Research, 71:343-371 (1997)		

Examiner Signature	<i>[Signature]</i>	Date Considered	3/21/07
---------------------------	--------------------	------------------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/810,163
Filing Date	03/26/2004
First Named Inventor	David S. F. Young
Art Unit	1642
Examiner Name	
Attorney Docket Number	2056.029

Sheet

3

of

4

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
SM		A. BEGG et al, "Rapid fluorescence-based assay for radiosensitivity and chemosensitivity testing in mammalian cells in vitro", Cancer Research, 49:565-569 (February, 1989)	
		J. CRUSE et al, Illustrated Dictionary of Immunology, CRC Press, p. 280 (1995)	
		A. KNUTH et al, "ADCC reactivity of human melanoma cells with mouse monoclonal antibodies", Proc. Am. Assoc. Cancer Res., 25:1005 (March, 1984) Abstract only	
		J. HOROSZEWICZ et al, "Monoclonal antibodies to a new antigenic marker in epithelial prostatic cells and serum of prostatic cancer patients", Anticancer Research, 7:927-936 (1987)	
		D. HERLYN et al, "Monoclonal anticolon carcinoma antibodies in complement-dependent cytotoxicity", Int. J. Cancer, 27:769-774 (1981)	
		V. KRAVTSOV et al, "Automated monitoring of apoptosis in suspension cell cultures", Laboratory Investigation, 74(2):557-570 (1996)	
		L. HARTWELL et al, "Integrating genetic approaches into the discovery of anticancer drugs", Science, 278:1064-1068 (November, 1997)	
		B. CURTI, "Physical barriers to drug delivery in tumors", Critical Reviews in Oncology/Hematology, 14:29-39 (1993)	
		R. JAIN, "Barriers to drug delivery in solid tumors", Scientific American, 271(1):58-65 (July, 1994)	
	T. GURA, "Systems for identifying new drugs are often faulty", Science, 278:1041-1042 (November, 1997)		

Examiner Signature	<i>[Signature]</i>	Date Considered	3/2/07
--------------------	--------------------	-----------------	--------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/810,163
Filing Date	03/26/2004
First Named Inventor	David S. F. Young
Art Unit	1642
Examiner Name	
Attorney Docket Number	2056.029

Sheet

4

of

4

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
S F Y		G. DERMER, "Another anniversary for the war on cancer", Bio/Technology, 12:320 (March, 1994)	
		R. FRESHNEY, "Culture of animal cells", a Manual of Basic Technique, Alan R. Liss, Inc., New York, p. 3 (1983)	
		T. HSU, "Karyology of cells in culture - a preparation and analysis of karyotypes and idiograms", in Tissue Culture Methods and Applications, eds. Kruse and Patterson, Academic Press, New York, pp. 764-767 (1973)	
		M. EMBLETON, "Monoclonal antibodies to osteogenic sarcoma antigens", Immunol. Ser., 23:181-207 (1984)	
		H. DREXLER, "Recent results on the biology of Hodgkin and Reed-Sternberg cells", Leukemia and Lymphoma, 9:1-25 (1993)	
		C. BADGER et al, "Prospects for monoclonal antibody therapy of leukemia and lymphoma", Cancer, 58:584-589 (1986)	
		E. BOVEN et al, "Monoclonal antibodies in cancer treatment: where do we stand after 10 years?", Radiotherapy and Oncology, 5:109-117 (1986)	
		A. EPSTEIN et al, "Two new monoclonal antibodies, Lym-1 and Lym-2, reactive with human B-lymphocytes and derived tumors, with immunodiagnostic and immunotherapeutic potential", Cancer Research, 47:830-840 (1987)	
	K. FOON, "Biological therapy of cancer", Breast Cancer Research & Treatment, 7:5-14 (1986)		

Examiner Signature	<i>[Signature]</i>	Date Considered	3/2/07
--------------------	--------------------	-----------------	--------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.